

ABSTRACT OF THE DISCLOSURE

By providing dummy pixels separately from effective pixels, the total number of pixel rows is equalized with the number of horizontal sync signals included in one frame interval (which is called an "HD number"). A period during which a reset signal for an electronic shuttering operation is being supplied to an arbitrary pixel row overlaps with a period during which another pixel row is selected to perform a readout operation thereon. Thus, it is possible to suppress a variation in reset potential among effective pixels.

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